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IMAGERY
ANALYSIS
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

STATUS OF NORTH VIETNAMESE RAILROADS

25X1

Declass Review by NIMA/DOD

Report No. 16
CIA/PIR 75059

DATE Nov. 1966

GROUP 1
Excluded from automatic
downgrading and declassification

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P R E F A C E

This report summarizes significant items of photo intelligence relating to the North Vietnamese railroad system which has been developed from available photography (received by the CIA Imagery Analysis Division) during the period indicated on the cover. This report is intended to provide a comprehensive view of the railroad system and does not necessarily reflect the most recent status changes as reported by pilots' reports or field photo intelligence cables.

The railroad system has been broken down into 5 major lines: the Hanoi/Lao Cai Line, the Hanoi/Dong Dang Line, the Hanoi/Haiphong Line, the Hanoi/Dong Hoi Line and the Thai Nguyen Line (Figure I). Annotated maps and photos are used to show the status of each line.

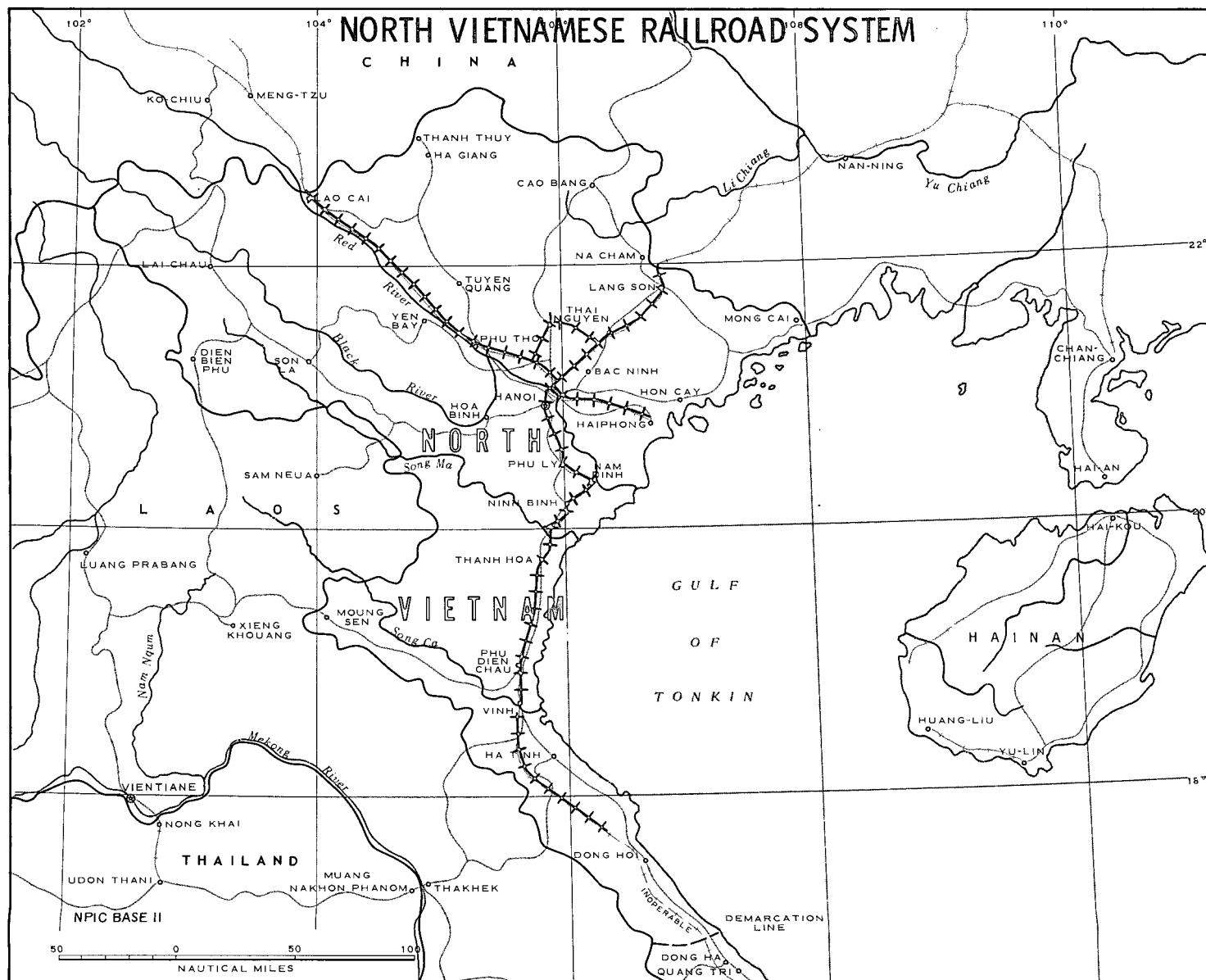
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FIGURE 1



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SUMMARY

Those portions of the Hanoi/Dong Dang, Hanoi/Haiphong, and Thai Nguyen Rail Line covered by interpretable photography were open to through traffic. Four interdictions were observed on the Hanoi/Lao Cai Rail Line and 9 interdictions were observed on the Hanoi/Dong Hoi Rail Line.

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FIGURE 2

KEY

All Maps within this report have been keyed in the following manner:

- (1) Main bridge tandem - now serviceable.
- (2) Bypass bridge or bridges serviceable.
- (3) Main bridge unserviceable.
- (4) All bridge crossing facilities unserviceable.
- (5) Bypass bridge under construction.
- (6) Original bridge has not been damaged or destroyed based on available photography.
- (7) Extent of rail line covered by available, interpretable photography.
- (8) Lines of interest. Term to the item number within the section for further information.

All intelligence developed within the reporting period is printed in red, older intelligence is printed in black.

Description of bridge numbers 1 through 75 can be found in CIAPR 608, August 1965.

HANOI - LAO CAI
RAILROAD

0 5
STATUTE MILES

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ITEM OF INTEREST NO. 1: Hanoi/Lao Cai Rail Line

NAME: Viet Tri Railroad Ferry

BE: NA

COORDINATES: 21 17N - 105 26E, WJ 462550

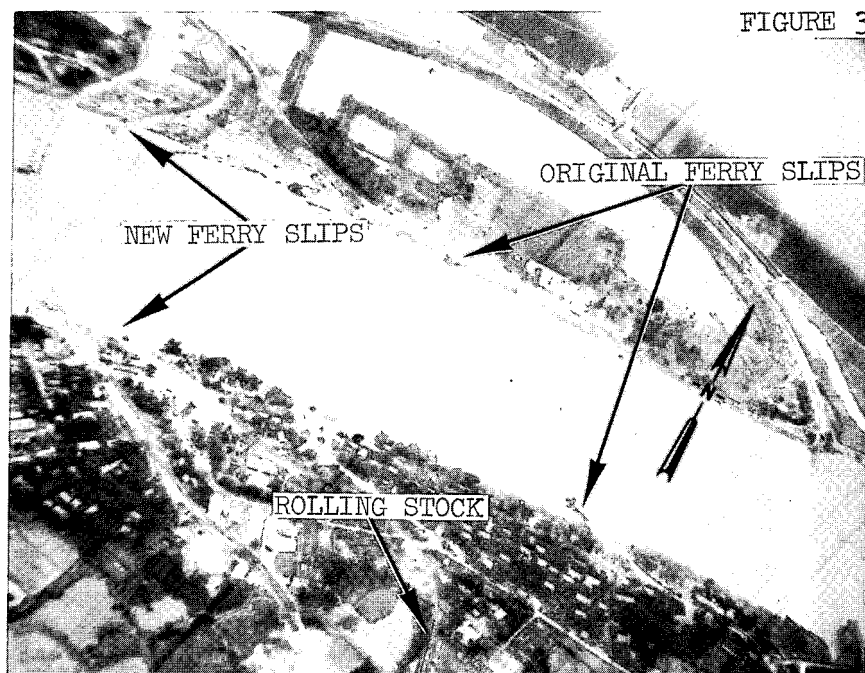
25X1 PHOTO REFERENCE:

MAP REFERENCE: JOG (A) 1501, NF 48-11

Construction continues on the previously reported railroad ferry at Viet Tri (Report No. 14). One of the 2 sets of ferry approaches previously reported under construction has been completed and the corresponding ferry slips have been constructed. Rolling stock has been noted on the southern approach. The 2 remaining approaches have not undergone any construction subsequent to



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ITEM OF INTEREST NO. 2: Hanoi/Lao Cai Rail Line

NAME: Pho Hop RR Bridge

BE: [REDACTED]

25X1 COORDINATES: 21 49N - 104 45E, VK 752127

PHOTO REFERENCE: [REDACTED]

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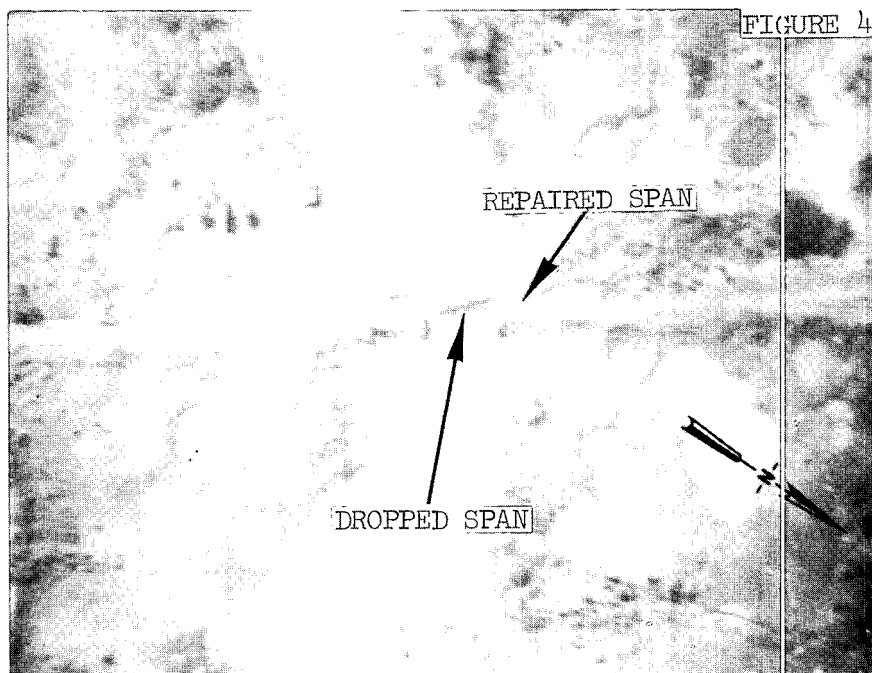
MAP REFERENCE: JOG (A) 1501, NF 48-10

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The 3-span deck-beam Pho Hop Railroad Bridge is found unserviceable [REDACTED] One span has been dropped. Photography of [REDACTED] (Report No. 14) showed 1 span of this bridge heavily damaged. This span is now repaired, indicating that the bridge could have been serviceable between [REDACTED]

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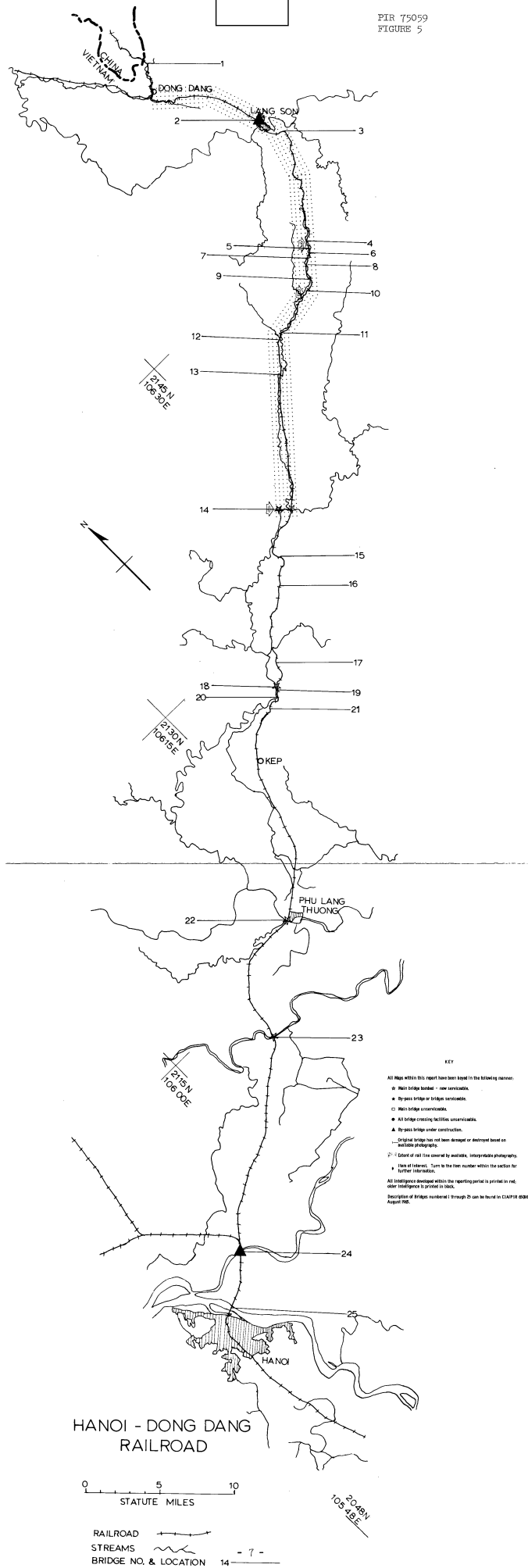
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FIGURE 5



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CIA IMAGERY ANALYSIS DIVISION

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ITEM OF INTEREST NO. 1: Hanoi/Dong Dang Rail Line

NAME: Cao Nung RR Bridge

BE:

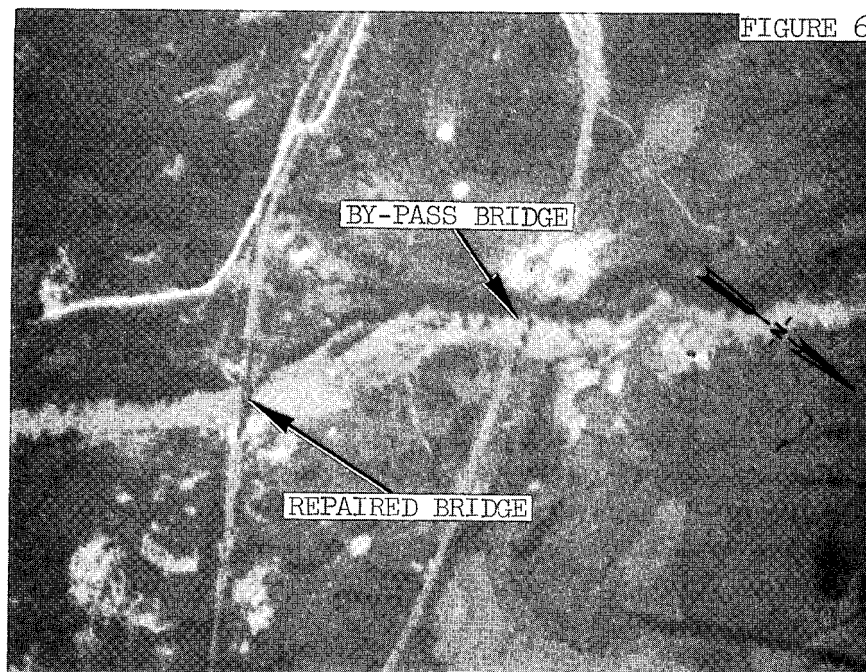
COORDINATES: 21 33N - 106 29E, XJ 553844

PHOTO REFERENCE:

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MAP REFERENCE: JOG (A) 1501, NF 48-12

The Cao Nung Railroad Bridge has undergone repairs and is probably serviceable.



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ITEM OF INTEREST NO. 2: Hanoi/Dong Dang Rail Line

NAME: Train

BE: NA

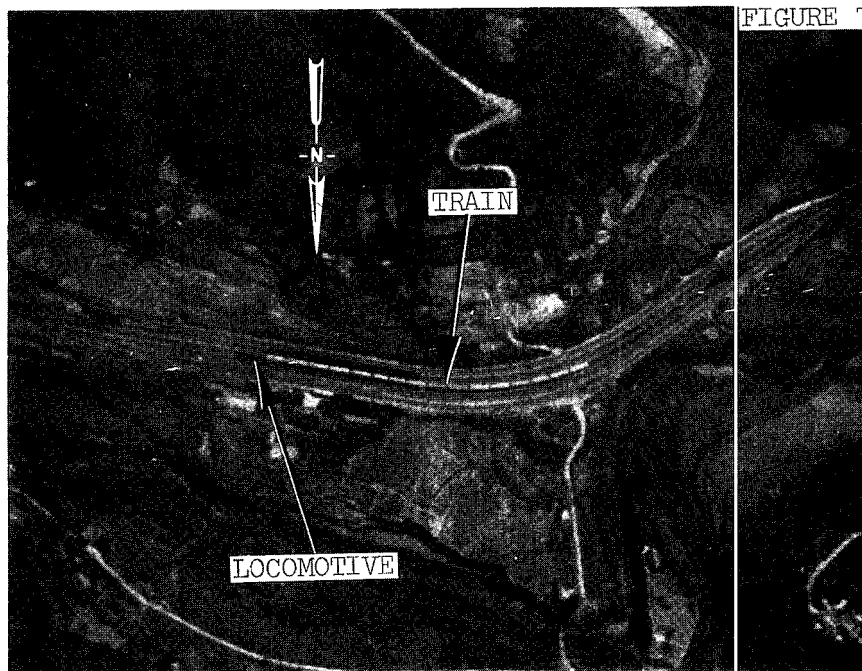
25X1 COORDINATES: 22 41N - 106 40E, XK 723000

PHOTO REFERENCE: [REDACTED]

MAP REFERENCE: JOG (A) 1501, NF 48-12

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A motionless train headed north in the Ban Re (Lang Gai) Railroad Yard [REDACTED] consists of 16 cars and a locomotive. The gauge and identification of the rolling stock cannot be determined due to the small scale of photography.



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CIA IMAGERY ANALYSIS DIVISION

ITEM OF INTEREST No. 3: Hanoi/Dong Dang Rail Line

NAME: Train

BE: NA

25X1 COORDINATES: 22 43N - 106 42E, XK 765033

PHOTO REFERENCE:

MAP REFERENCE: JOG (A) 1501, NF 48-12

A moving train consisting of approximately 18 cars including at least 10 gondola cars and a locomotive is proceeding northward at UTM XK 764033. The gauge of the rolling stock cannot be determined due to the small scale of photography.

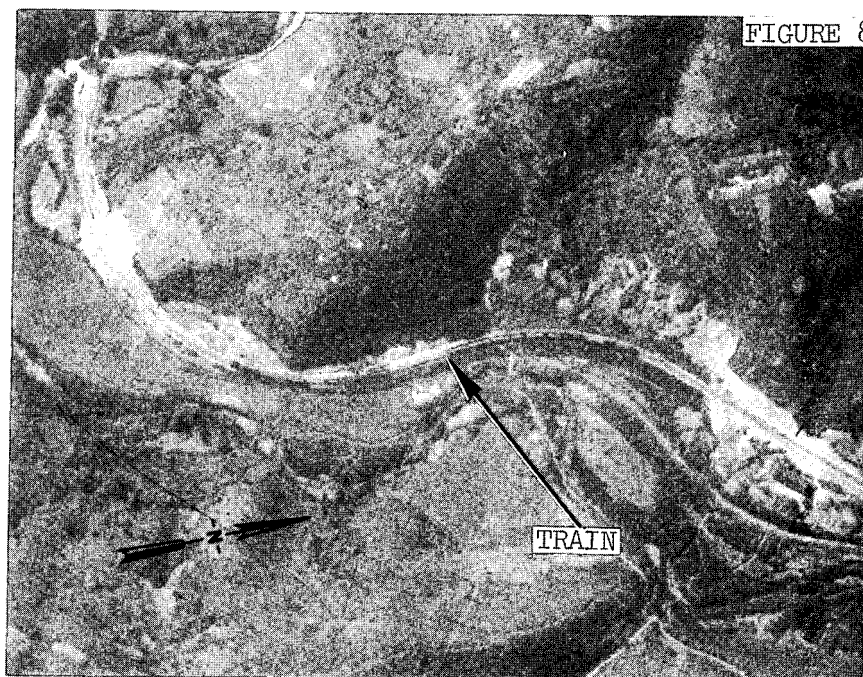
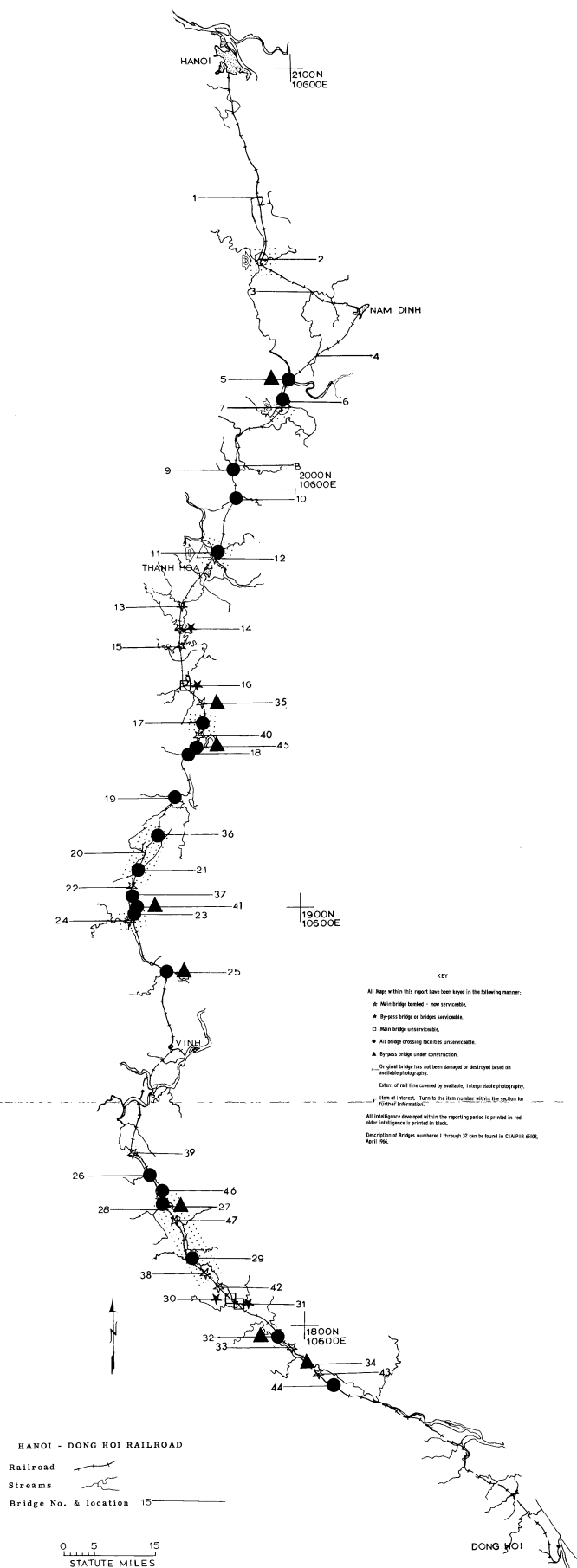


FIGURE 8

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FIGURE 9

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ITEM OF INTEREST NO. 1: Hanoi/Dong Hoi Rail Line

NAME: Phuong Dinh RR Bridge By-pass No. 1

BE: NA

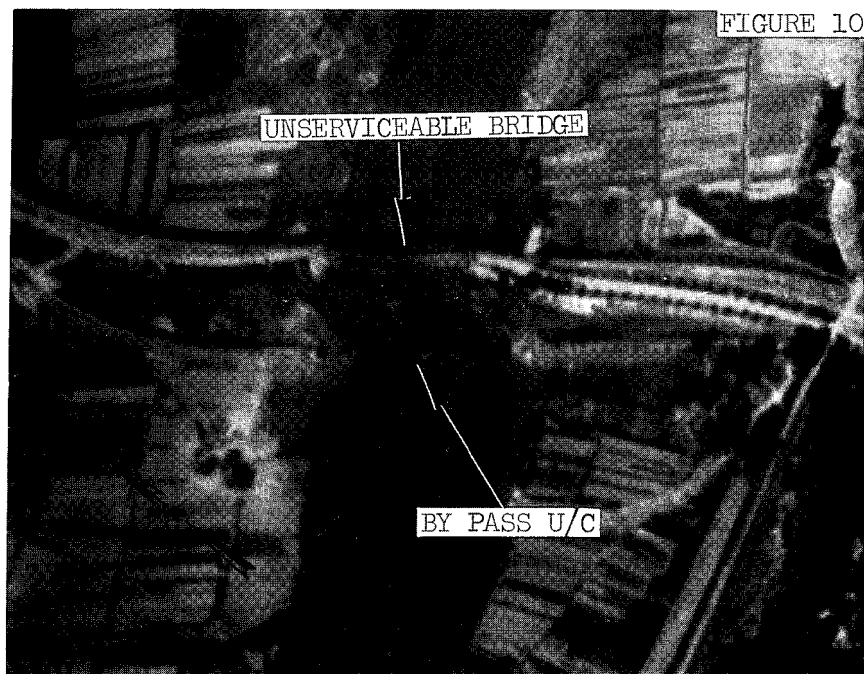
COORDINATES: 19 51N - 105 48E, WG 842951

PHOTO REFERENCE:

MAP REFERENCE: JOG (A) 1501, NE 48-3

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The by-pass for the unserviceable Phuong Dinh Railroad and Highway Bridge which was previously reported as abandoned (Report 15) is now under active construction. Although the approaches and piers are complete, there is no rail visible on the approaches and the deck sections are missing.



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ITEM OF INTEREST NO. 2: Hanoi/Dong Hoi Rail Line

NAME: Ly Nhan RR Bridge

BE:

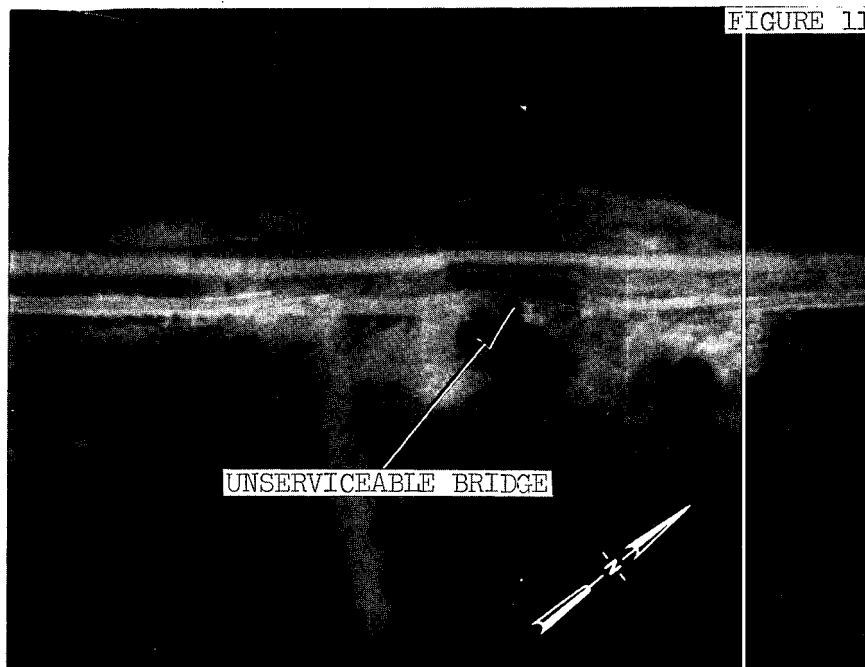
COORDINATES: 20 10N - 105 52E, XH 000310

PHOTO REFERENCE:

MAP REFERENCE: JOG (A) 1501, NF 48-15

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One end of the single-span, half-through truss Ly Nhan Railroad Bridge has been dropped, and the truss itself has sustained light damage.



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ITEM OF INTEREST NO. 3: Hanoi/Dong Hoi Rail Line

NAME: Phu Ly RR Bridge

BE: [REDACTED]

COORDINATES: 20 32N - 105 55E, WH 959721

PHOTO REFERENCE: [REDACTED]

MAP REFERENCE: JOG (A) 1501, NF 48-15

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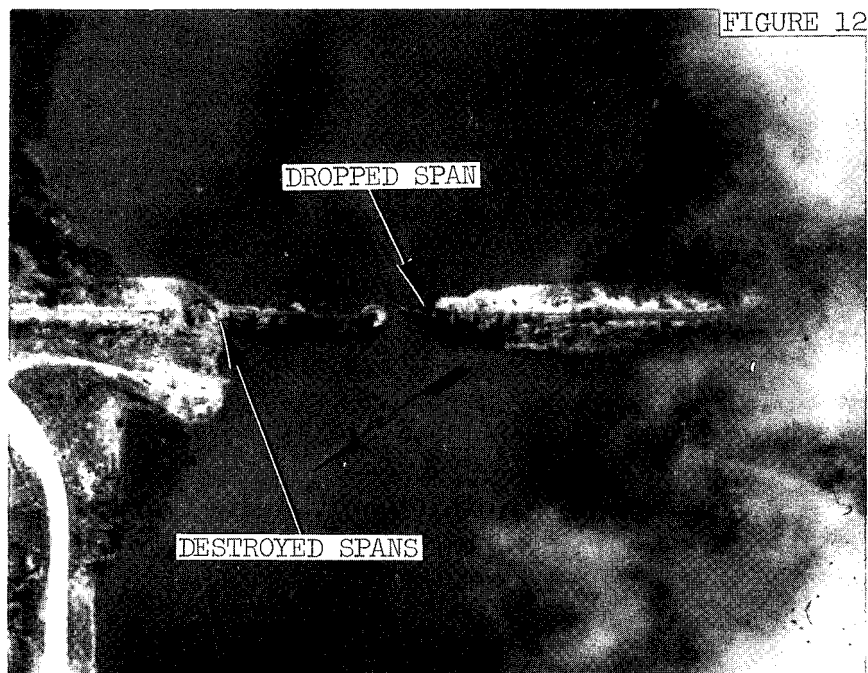
The previously reported unserviceable Phu Ly Railroad Bridge has sustained new damage. The 1 remaining original span is partially dropped, and 2 temporary spans have been destroyed. These 3 spans were observed undamaged on photography [REDACTED] (Report 15). The spans that were previously reported as unserviceable on [REDACTED] appear serviceable on the [REDACTED] photography, indicating that the bridge was probably serviceable at some time between the 2 dates.

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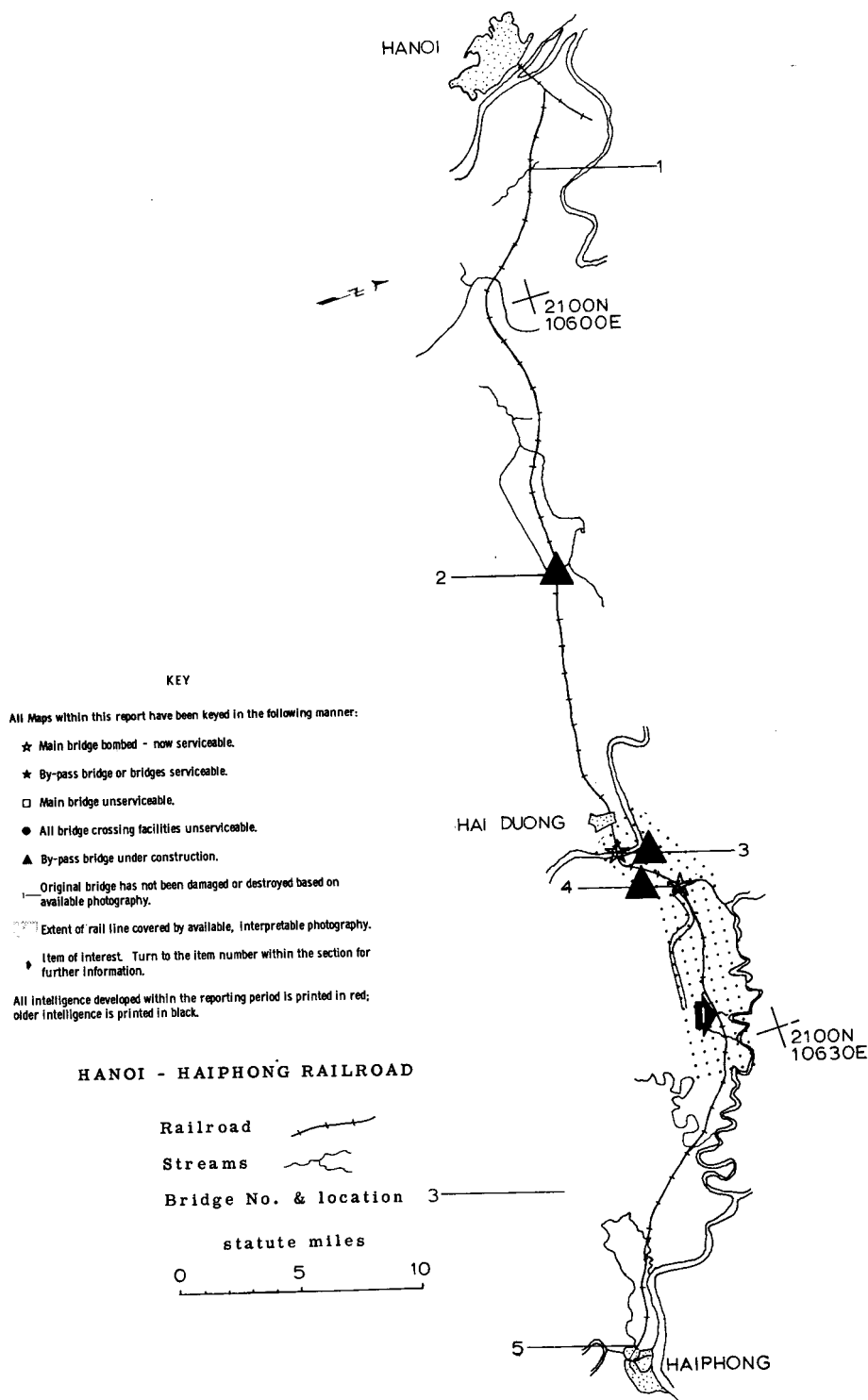
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FIGURE 13

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CIA IMAGERY ANALYSIS DIVISION

ITEM OF INTEREST NO. 1: Hanoi/Haiphong Rail Line

NAME: Train

BE: NA

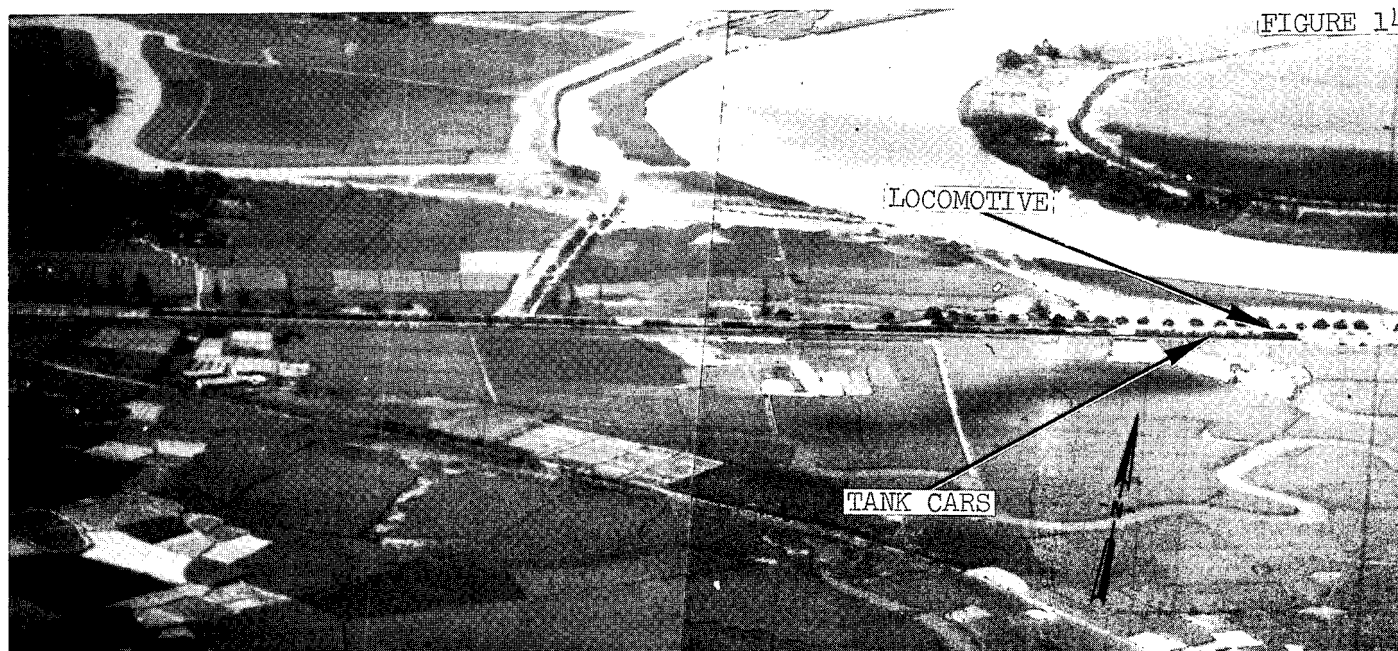
COORDINATES: 20 58N - 106 28E, XJ 533192

PHOTO REFERENCE: [REDACTED]

MAP REFERENCE: JOG (A) 1501, NF 48-15

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A train consisting of an engine and tender and approximately 46 pieces of rolling stock, 5 of which are tank cars, is proceeding eastward at UTM XJ 533192. This is a relatively long train to be observed on the Hanoi/Haiphong Rail Line, and this, together with the fact that the train is proceeding toward Haiphong, may indicate that most of the cars are empty.



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FIGURE 15

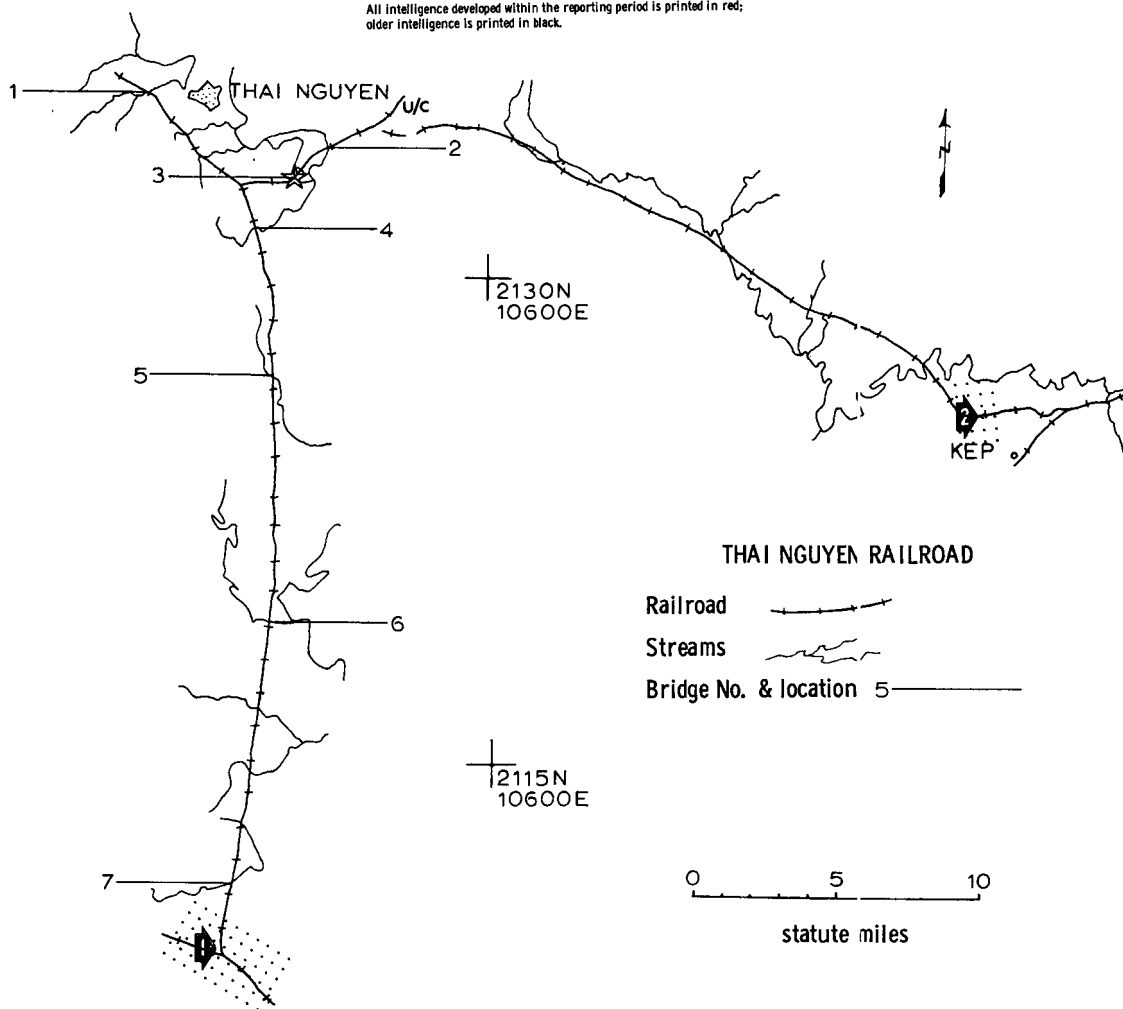
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KEY

All Maps within this report have been keyed in the following manner:

- ☆ Main bridge bombed - now serviceable.
- ★ By-pass bridge or bridges serviceable.
- Main bridge unserviceable.
- All bridge crossing facilities unserviceable.
- ▲ By-pass bridge under construction.
- Original bridge has not been damaged or destroyed based on available photography.
- - - Extent of rail line covered by available, interpretable photography.
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ITEM OF INTEREST NO. 1: Thai Nguyen Rail Line

NAME: Dummy Locomotives

BE: NA

COORDINATES: 21 09N - 105 51E, WJ 887395

PHOTO REFERENCE:

MAP REFERENCE: JOG (A) 1501, NF 48-11

DOCUMENTS: NPIC/R-359/66 Southeast Asia Activity Report, Summary No. 24

Four dummy locomotives (3 illustrated) are located at the ends of rail spurs in the Kinh No Railroad Classification Yard Each dummy locomotive consists of a probable tank car with a large box constructed at one end. The box simulates the cab of the locomotive.

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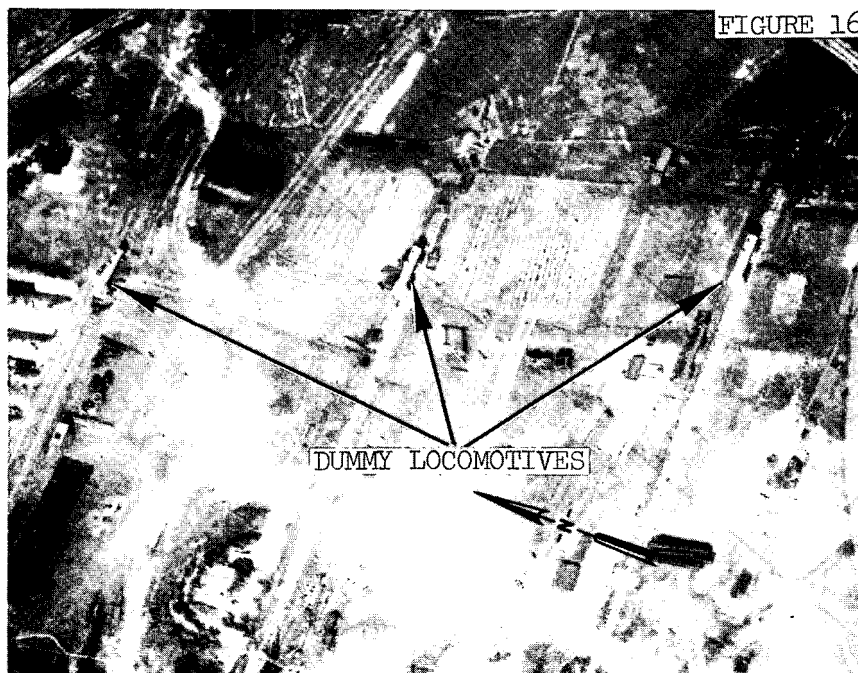


FIGURE 16

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ITEM OF INTEREST NO. 2: Thai Nguyen Rail Line

NAME: Locomotive and Tender

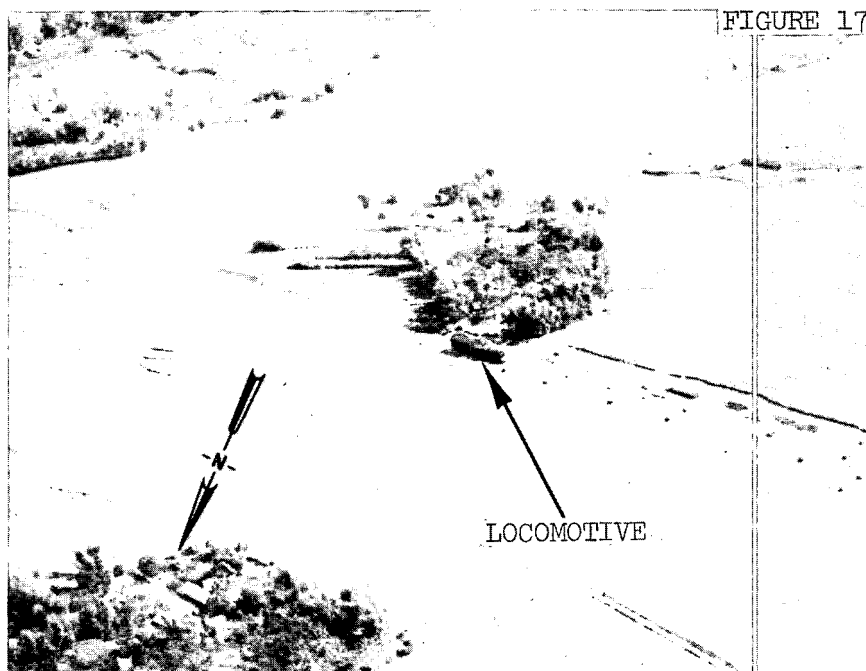
BE: NA

COORDINATES: 21 26N - 106 16E, XJ 322701

PHOTO REFERENCE:

MAP REFERENCE: JOG (A) 1501, NF 48-11

A locomotive and tender are stopped and facing west on the Kep/Thai Nguyen segment of the Thai Nguyen Rail Line.



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